

OUR COMMITMENT TO REDUCING METHANE EMISSIONS

Kinder Morgan has approximately **70,000 miles** of natural gas pipelines that transport about **40 percent** of the natural gas consumed in the United States. We are committed to providing natural gas to customers in a safe, reliable and **environmentally sound** manner. **Reducing methane emissions** is an important part of our business.

We have been focused on **reducing methane emissions** from our natural gas transportation and storage operations for more than 25 years.

WE HAVE ACHIEVED
110
BILLION CUBIC FEET
OF METHANE EMISSION
REDUCTIONS SINCE 1993.



INDUSTRY LEADER

We have **voluntarily** been involved in numerous industry and agency initiatives to reduce methane emissions, including:

- EPA's Natural Gas STAR Program
- EPA's Natural Gas STAR Methane Challenge Program
- Founding member of ONE Future
- Leadership roles in the INGAA GHG Task Force

Additionally, we are proud to collaborate with many organizations, including DOE, EPA and EDF on studies and technology evaluations to reduce emissions. Learn more about these efforts in the Methane Reduction Commitment of our [ESG Report](#).

ACHIEVING RESULTS

Our efforts to reduce methane emissions are extensive and go above and beyond regulatory requirements.

ANNUAL LEAK SURVEYS: We conduct leak detection surveys at our facilities using optical gas imaging technology. Sophisticated cameras safely and accurately detect gas leaks. If a leak is identified, we have procedures in place to track and repair it.



PIPELINE PUMP-DOWNS: If a maintenance-related blowdown is necessary, our goal is to minimize vented emissions using techniques such as **pipeline pump-downs**. Pump-downs lower gas pressure in a section of pipe, reducing or eliminating the amount of gas vented prior to maintenance or repair activities.

COMPRESSION SLEEVES: Utilizing compression sleeves is another technique that allows us to safely repair a small section of pipeline without venting gas.

TARGETS

In 2018, we achieved a methane emission intensity rate of **0.02%** across our natural gas transmission and storage assets. This exceeded our target **seven years ahead of schedule**.

In 2019, we aim to further reduce methane emissions by **2 billion cubic feet**. This is equivalent to the annual energy usage from **132,000 homes**.

132,000
homes